
PROFILE

Ambitious and enthusiastic first class graduate of Industrial Chemistry having the desire of becoming an expert in Medicinal Chemistry that will contribute to the sustainable development of pharmaceutical sector by harnessing medicinal plants to develop novel, effective and safe drugs which will help in addressing the challenges of antimicrobial resistant bacteria.

EDUCATION

Abubakar Tafawa Balewa University; Bauchi | Industrial Chemistry (Bachelor) **April 2015 – Mar. 2019**
CGPA of 4.87/5.0 – First Class Honours: (Top 1% of the class)

Research Experience:

- Researched on phytochemical screening and antibacterial activity of root and stem bark of *Lannea acida*
- Determined the phytochemicals and antioxidant activity of stem bark crude extract of *Daniellia oliveri*
- Worked on *Diospyros mespiliformis* a known medicinal plant in Bauchi to examine its' bioactive components and antioxidant activity.

Federal Polytechnic Idah | Science Laboratory Technology (National Diploma) **Feb. 2011 – Mar. 2013**
CGPA of 3.76/4.0 – Distinction: (Top 1% of the class)

Major: Plant and Animal Taxonomy, Cell Biology, Pathology, Microbiology, Ecology, Biochemistry, Organic Chemistry, Analytical Chemistry, Inorganic Chemistry, Physical Chemistry, General Laboratory Techniques, Heat Energy, Mechanics, Optics and Waves, Calculus for Science and Algebra for Science.

EXPERIENCE

Federal College of Education (Technical); Gombe | Laboratory Assistant (NYSC) **JULY 2019- MAY 2020**

- Guided and supervised over 200 students during Lab experiments
- Created a suitable approach of engaging all the students during Lab experiments
- Carried out routine maintenance/setting-up laboratory equipment.

RUWASSA; Bauchi | Laboratory Department (Industrial Training) **APR 2017 – JULY 2017**

- Conducted series of water quality analysis
- Participated in household chlorination of well water.
- Organized sensitization campaign on “harmful impact of open space defecation on environment”.

Sabil-Sunlight International School; Bauchi | Chemistry Class Teacher **JAN 2015 – DEC 2015**

- Developed lesson plans, lesson notes and scheme of work
- Evaluated student's performance through verbal and oral examinations
- Conducted chemistry practical.

A.T.B.U Medical Laboratory Center; Bauchi | Laboratory Department (Industrial Training) **MAR 2014 - DEC 2014**

- Collect and analyze blood and urine samples for effective diagnosis of diseases
- Tutored new Industrial Training students
- Fully participated in all the laboratory routine maintenance to ensure aseptic environment.

PUBLICATIONS

- Abubakar, A., Auwal, A.M., **Yakubu, H.** and Yushau, S. (2020). Extraction and physicochemical characterization of seed oil from *Terminalia mantaly* seed, *International Journal of Research and Innovation in Applied Science* **5**(1):60-64.
- **Yakubu, H.**, Abbas A., and Salim, Y. (2019). Phytochemical screening and antibacterial activity of root and stem bark of *Lannea acida*, *International Journal of Chemical Science*, **3**(3):1-6.
<http://www.chemicaljournals.com/download/109/3-2-13-220.pdf>
- Adamu, H.M., Yushau, S., **Yakubu, H.** and Abbas, A. (2019). Phytochemical screening and antioxidant activity of the stem bark extracts of *Diospyros mespiliformis*: A known medicinal plant in Bauchi, *International Journal of Chemical Science*, **3**(4):37-42. <http://www.chemicaljournals.com/download/139/3-4-34-639.pdf>
- Gende, U.H., Sallau S., Abubakar, A. and **Yakubu, H.** (2019). Phytochemical screening and antioxidant activity of stem bark crude extracts of *Daniellia oliveri*, *International Journal of Pharmacy Research and Technology*, **10**(2):40-45.
(doi: 10.31838/ijprt/10.02.06).

LEADERSHIP/VOLUNTEERING ACTIVITIES

Commonwealth open source leadership training program

July-Aug. 2019

- Gained staunch knowledge on how to become a competent leader by being awake to intolerance and determine to counterbalance it as well as being an accessible leader.

Organizer, Coordinator and Tutor; Given Back to the Community

2018-2019

- Tutored and guided over 20 high school students for WAEC, NECO and JAMB. Through this effort, about 15 students had gained admission into various Nigeria Universities.

Chairman Academic Committee: Students' Chemical Society of Nigeria, ATBU, Chapter

2016-2018

- Organized and coordinated academic tutorials for students, with over 80 % average success recorded
- Helps in simplifying complex courses during tutorial classes for easy understanding and assimilation
- Give several talks on how to develop study plan, personal reading time table and stress management.

Elcom Secretary General: National Association of Ebira Students, ATBU Chapter

April-May 2018

- Conducted a free and credible election.
- Served as a mediator between aggrieved members.

ISEC Secretary General: NASTES, Federal Polytechnic Idah, Kogi State Chapter.

Oct-Nov. 2012

- Conducted a generally accepted, free and credible election in the history of the department.

Special Skills

Soft Skills:

- Time Management
- Titration Methods
- Data Collection
- Critical thinker and quick learner.

Computer Skills:

Ms Office
Internet Surfing
Data Entry.

Awards and Certificates

Awards:

- | | |
|---|------------|
| • Recipient of USA Education Opportunity Fund Program Award | Sept. 2019 |
| • Awarded as the Best Graduating Student of Science Faculty during the undergraduate period | Oct. 2018 |
| • Recipient of Hillcity Foundation Educational Scholarship Award. | May 2018 |
| • Awarded as the National Association of Ebira Student overall best student of the year | Dec. 2018 |
| • Best 300 Level Student Chemistry Department, ATBU, Bauchi | Dec. 2018 |
| • Recipient of Certificate of Excellent Award from NASTES, Federal Polytechnic Idah. | Oct. 2012 |

Professional Certificates:

- Certificate on Science of Medicines from Monash University through Future Learn platform
- Certificate on Birth of Drugs from Open University
- Certificate of Graduate Internship in International Development from Institute for Development Research
- Certificate of Entrepreneurship in Emerging Economies from HarvardX
- Certificate on Strengthening of Community Health Workers Programs from HarvardX
- Certificate on Launching Breakthrough Technologies from HarvardX
- Future Fit Program Gold Learner Certificate from Misk Global Forum and Fullbridge.

Conference

2nd Annual Conference: Science and technology as the basic tool for excellence in entrepreneurship National Association of Science Students (NASS).

April, 2018

- I became aware that science and technology can boost the economy of a nation through entrepreneurship.